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(54) Title: A CATALYST COMPRISING A METALIC SUPPORT AND A PROCESS FOR THE PRODUCTION OF OLEFINS

(57) Abstract: A catalyst capable of supporting combustion beyond the fuel rich limit of flammability comprising a catalytic component and a metallic support wherein the support is a metallic structured packing comprising a multiplicity of open-ended channels and which has been loaded with a non metallic coating, and a process for the production of an olefin, said process comprising passing a mixture of a hydrocarbon and an oxygen-containing gas over said catalyst to produce an olefin.